1. (Amended) ~~A microscopy~~ laboratory system comprising:

a plurality of student microscopes;

a plurality of cameras associated one with each of said plurality of student microscopes for generating an image signal representing a student view image of at least a portion of the field of view of said student microscope;

multiplexed control means connected to said plurality of cameras for receiving said image signals and enabling an instructor to select a set of said image signals for display, wherein said multiplexed control means generates an instruction image signal generated from said selected set of image signals; and

display means connected to said multiplexed control means for receiving said instruction image signal and displaying an instruction image comprising student view images corresponding to said selected set of image signals; and

a display image marker means connected to said multiplexed control means for ~~enabling said instructor to annotate said instruction image.~~

Please add the following new claim:

22. (New)   The microscopy laboratory system according to claim 14, wherein said stored images are enhanced by a process selected from the group consisting of increasing the resolution of said images, adding audio effects to said images, converting said images to text files, manipulating the color of said images, observing the three-dimensional effects of said images, and printing said images.

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